

Matthew L. Meola

Principal Consultant

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Quandary Peak Research

Boston, MA

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I have 13 years of experience analyzing complex software and hardware for litigation and business matters, including seven years in a director-level consulting role. I have analyzed hundreds of patents, codebases, and technical and legal artifacts while leading technical strategy in patent disputes, software copyright matters, and digital investigations. My experience also includes drafting expert reports and declarations, contributing to claim construction and discovery materials, and leading consulting teams, including a team of more than a dozen consultants on a complex engagement involving petabyte-scale datasets.

At Quandary Peak, I apply my expertise in source code analysis, software architecture, data engineering, networking, and systems technology to help clients understand complex technical evidence and its relevance to a dispute. My combination of hands-on software engineering, litigation consulting, and technical communication enables me to develop focused analytical approaches and explain sophisticated systems and findings clearly to legal and nontechnical audiences.

Expert Highlights

- 47+ Litigation Engagements
- 13+ Years in Litigation Consulting
- 7+ Years at Director Level
- Extensive Patent and Source Code Analysis
- Led Petabyte-Scale Litigation Analysis
- Drafted Expert Reports and Declarations

Education

M.A. in Computer Science

Princeton University | 2007–2010

- Designed a program logic for proving programs to be fault tolerant.
- Developed a language for high level composable network management for networks of switches adhering to the OpenFlow Switch Specification.

B.S. in Computer Science & Mathematics with Highest Honors

Rutgers University | 2003–2007

- Awarded the Novielli Prize, given to an outstanding senior in Computer Science.

Areas of Expertise

- **Software Litigation Analysis:** Analyze software and hardware functionality and develop technical strategies for patent disputes, software copyright matters, and digital investigations.
- **Source Code, Binary, and Static Analysis:** Examine and compare large codebases, analyze binary executable structures, and evaluate indicators of potentially misappropriated source code.
- **Software Architecture and Engineering:** Evaluate software requirements, system architecture, algorithms, infrastructure, and application behavior, and develop tools for repeatable technical analysis.
- **Large-Scale Data Analysis:** Design reliable workflows and analytical tools for heterogeneous datasets at petabyte scale, including ETL processes, data architecture, schema design, and query optimization.
- **Digital Artifacts and Web Log Analysis:** Interpret web logs and other technical artifacts to support litigation analysis and digital investigations.
- **Networks and Systems:** Experience includes networking, OpenFlow, Linux system administration, firewalls, web browsers, filesystems, and device drivers.
- **Technical Reporting and Legal Communication:** Draft expert reports, declarations, and technical portions of claim construction briefs, discovery requests, and other filings while explaining complex subjects to nontechnical audiences.
- **Programming and Web Technologies:** Experience in Python, SQL, Rust, Haskell, C, Java, and C++, with web development experience using Python and Django.

Professional Experience

Quandary Peak Research

Principal Consultant | Boston, MA | Oct 2026–Present

- Provides technical consulting and expert analysis in complex software litigation, including source code review, software and hardware analysis, digital investigations, and the preparation of expert reports and other litigation materials.

Aon, IP Solutions

Director | Boston, MA | Jan 2019–Mar 2024

Technical Consulting in Litigation:

- Analyzed technology for litigation, managed client relationships, and led teams of consultants.
- Analyzed the functionality of software and hardware, the technical details of patents, and the meaning of web logs and other technical artifacts.
- Led technical strategy and client interactions in patent matters, software copyright matters, and digital investigations:
 - Determined the appropriate technical analysis to meet legal requirements and directed teams accordingly.
 - Formulated arguments at the interface between law and technology and explained complex technical topics to a non-technical audience.
 - Drafted expert reports and declarations, as well as portions of claim construction briefs, interrogatories, requests for production, and other filings.
- Led a team of more than a dozen consultants on a complex litigation consulting project involving petabyte-scale data analysis.
 - Determined technical strategy and owned the software development process for the project.
 - Expanded involvement on the project to become the first 8-figure project in the team's history.
 - Engineered tools for reliable, repeatable data analysis of petabyte-scale heterogeneous datasets.

- Synthesized software requirements from litigation needs.
- Advised on architecture, algorithms, infrastructure, and schema design and query efficiency.

Technical Consulting on Business Transactions:

- Developed consulting approaches for assessing software quality, competitive advantages, and intellectual property value in business transactions.
- Created and led source code ownership analyses for M&A transactions, including evaluating indications of potentially misappropriated code.
- Defined technical requirements, directed software development, and delivered findings to executives and prospective investors.

Stroz Friedberg, an Aon company

Director | Boston, MA | Jan 2017–Dec 2018

Manager | Boston, MA | Oct 2015–Dec 2016

Elysium Digital, LLC

Computer Scientist | Boston, MA | Feb 2011–Sept 2015

- Delivered technical analysis and advice to clients in dozens of projects.
- Analyzed technology and data in patent matters, software copyright matters, and digital investigations.
- Analyzed functionality of various hardware and software systems.
- Led teams on consulting projects and managed client relationships as project lead.
- Engineered a tool for line by line comparison of large bodies of source code.
- Engineered a tool for analysis and comparison of the structure of binary executables.
- Engineered a framework for automating repeatable data analysis.

Publications

- N. Foster, R. Harrison, M. L. Meola, M. J. Freedman, J. Rexford, and D. Walker | Nov 2010
“Frenetic: A High-Level Language for OpenFlow Networks.” ACM Workshop on Programmable Routers for Extensible Services of Tomorrow (PRESTO).
- M. L. Meola and D. Walker | Mar 2010
“Faulty Logic: Reasoning About Fault-tolerant Programs.” European Symposium on Programming.

Talks

- **“Faulty Logic: Reasoning About Fault-tolerant Programs,”** at the European Symposium on Programming | Mar 2010.
- **“A Logic for Reasoning about Programs in the Presence of Transient Faults,”** at the International Workshop on Proof-Carrying Code | June 22, 2008.

Litigation Consulting

- **Boettler, et al. v. Meta Platforms, Inc. and Snapchat, Inc.** | Sept 2026–Present
Jurisdiction: Circuit Court of Lawrence County, Missouri
Case Number: 26LW-CC00099
Counsel: Strong Law, P.C.
Nature of Suit: Wrongful Death; Product Liability
- **IGT, et al. v. Zynga Inc.** | Dec 2021–Dec 2022
Jurisdiction: U.S. District Court for the Western District of Texas
Case Number: 6:21-cv-00331
Counsel: Baker Hostetler
Nature of Suit: Patent
Technology: Online gaming
- **CommVault Systems, Inc. v. Rubrik Inc.** | Nov 2020–Dec 2021
Jurisdiction: U.S. District Court for the District of Delaware
Case Number: 1:20-cv-00524
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Suit: Patent
Technology: Cloud Storage and Backup Orchestration
- **Commvault Systems, Inc. v. Cohesity Inc.** | Nov 2020–Dec 2021
Jurisdiction: U.S. District Court for the District of Delaware
Case Number: 1:20-cv-00525
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Suit: Patent
Technology: Cloud Storage and Backup Orchestration
- **Maxell, Ltd. v. Fandango Media, LLC** | July 2018–Oct 2018
Jurisdiction: U.S. District Court for the Central District of California
Case Number: 2:17-cv-07534
Counsel: Mayer Brown LLP
Nature of Suit: Patent
Technology: Video playback
- **UMG Recordings, Inc., et al. v. Grande Communications Networks LLC, et al.** | June 2018
Jurisdiction: U.S. District Court for the Western District of Texas
Case Number: 1:17-cv-00365
Counsel: Armstrong Teasdale
Nature of Suit: Copyright
Technology: BitTorrent
- **1-800-REGISTRY, LLC, et al. v. Teamvwork, LLC, et al.** | Mar 2018
Jurisdiction: Eighth Judicial District Court, Clark County, Nevada
Case Number: A-17-763044-B
Counsel: Flangas Dalacas Law Group
Nature of Suit: Trade secret
Technology: Websites

- **Gimme Vending, LLC v. VendSys, et al.** | June 2017
Jurisdiction: U.S. District Court for the District of Massachusetts
Case Number: 1:17-cv-11137
Counsel: Foley Lardner
Nature of Suit: Copyright
Technology: Communication software for inventory tracking
- **Oracle America, Inc., et al. v. Appleby, et al.** | Jan 2017
Jurisdiction: U.S. District Court for the Northern District of California
Case Number: 3:16-cv-02090
Counsel: Morgan Lewis
Nature of Suit: Copyright
Technology: Enterprise software support services and practices
- **Oracle America, Inc., et al v. Hewlett Packard Enterprise Company** | Jan 2017–Oct 2017
Jurisdiction: U.S. District Court for the Northern District of California
Case Number: 4:16-cv-01393
Counsel: Latham & Watkins LLP
Nature of Suit: Copyright
Technology: Operating system software
- **DataTern, Inc. v. Blazent, Inc., et al.** | June 2016
Jurisdiction: U.S. District Court for the District of Massachusetts
Case Number: 1:11-cv-11970
Counsel: McCarter & English, LLP
Nature of Suit: Patent
Technology: Object technology and relational databases
- **ZeniMax Media Inc., et al. v. Oculus VR, LLC, et al.** | June 2015–July 2015
Jurisdiction: U.S. District Court for the Northern District of Texas
Case Number: 3:14-cv-01849
Counsel: Skadden, Arps, Slate, Meagher & Flom LLP
Description: Trade secret
Technology: Video games and virtual reality
- **Vaporstream, Inc. v. Snap Inc. d/b/a Snapchat, Inc.** | May 2015–Feb 2020
Jurisdiction: U.S. District Court for the Central District of California
Case Number: 2:17-cv-00220
Counsel: Susman Godfrey LLP
Nature of Suit: Patent
Technology: Ephemeral communications
- **Rimini Street, Inc. v. Oracle International Corporation** | Mar 2015–Jan 2024
Jurisdiction: U.S. District Court for the District of Nevada
Case Number: 2:14-cv-01699
Counsel: Boies, Schiller, and Flexnor; Bingham Mcchutchen; Morgan Lewis; Paul Weiss
Nature of Suit: Copyright
Technology: Enterprise software support services and practices
- **MyMedicalRecords, Inc. v. Walgreen Co.** | June 2014–Sept 2014
Jurisdiction: U.S. District Court for the Central District of California
Case Number: 2:13-cv-00631
Counsel: Shearman & Sterling LLP
Nature of Suit: Patent
Technology: Health records access control

- **MyMedicalRecords, Inc. v. Quest Diagnostics, Inc.** | June 2014–Sept 2014
Jurisdiction: U.S. District Court for the Central District of California
Case Number: 2:13-cv-02538
Counsel: Shearman & Sterling LLP
Nature of Suit: Patent
Technology: Health records access control
- **MyMedicalRecords, Inc. v. Jardogs, LLC, et al.** | June 2014–Sept 2014
Jurisdiction: U.S. District Court for the Central District of California
Case Number: 2:13-cv-03560
Counsel: Shearman & Sterling LLP
Nature of Suit: Patent
Technology: Health records access control
- **MyMedicalRecords, Inc. v. WebMD Health Corp., et al.** | June 2014–Sept 2014
Jurisdiction: U.S. District Court for the Central District of California, Case Number: 2:13-cv-07285
Counsel: Shearman & Sterling LLP
Nature of Suit: Patent
Technology: Health records access control
- **Comcast IP Holdings I, LLC v. Sprint Communications Company L.P., et al.** | Apr 2014–June 2014
Jurisdiction: U.S. District Court for the District of Delaware
Case Number: 1:12-cv-00205
Counsel: Davis Polk
Nature of Suit: Patent
Technology: Cell Phone Networks and Networking
- **Oracle America, Inc. v. Terix Computer Company, Inc., et al.** | Apr 2014–May 2015
Jurisdiction: U.S. District Court for the Northern District of California
Case Number: 5:13-cv-03385
Counsel: Bingham McCutchen
Nature of Suit: Copyright
Technology: Operating system software
- **Shlosser v. University of Massachusetts, et al.** | Apr 2014
Jurisdiction: Superior Court of Commonwealth of Massachusetts, Hampshire County
Case Number: 1580-cv-00153
Counsel: Jean Marie Kelley
Nature of Suit: Age discrimination
Technology: Security system
- **Smartflash LLC, et al. v. Samsung Electronics Co. Ltd., et al.** | Mar 2014
Jurisdiction: U.S. District Court for the Eastern District of Virginia
Case Number: 6:13-cv-00448
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Matter: Patent
Technology: DRM and in-app payment transactions
- **JobDiva, Inc. v. Monster Worldwide, Inc.** | Mar 2014
Jurisdiction: U.S. District Court for the Southern District of New York
Case Number: 1:13-cv-08229
Counsel: Kirkland & Ellis LLP
Nature of Suit: Patent
Technology: Online job search platforms

- **MyMedicalRecords Inc. v. Walgreen Co.** | Jan 2014–Mar 2014
Jurisdiction: U.S. District Court for the Central District of California
Case Number: 2:13-cv-00631
Counsel: Willenken LLP
Nature of Suit: Patent
Technology: Health records access control
- **U.S. Department of Justice (DOJ) v. Global Computer Enterprises, Inc.** | Aug 2013–Oct 2013
Nature of matter: Code development analysis relating to grand jury investigation
Technology: IT Software Services
- **Apple Inc. v. Samsung Electronics Co. Ltd., et al.** | Apr 2013–June 2014
Jurisdiction: U.S. District Court for the Northern District of California
Case Number: 5:12-cv-00630
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Matter: Patent
Technology: Smartphones
- **Helios Software LLC, et al. v. SpectorSoft Corporation** | Apr 2013–June 2015
Jurisdiction: U.S. District Court for the District of Delaware
Case Number: 1:12-cv-00081
Counsel: Shartsis Friese LLP
Nature of Suit: Patent
Technology: Monitoring of computer activity
- **CoreLogic Solutions LLC v. Collateral Intelligence LLC** | Mar 2013–May 2013
Jurisdiction: U.S. District Court for the Eastern District of Texas
Case Number: 2:12-cv-00304
Counsel: Orrick, Herrington & Sutcliffe LLP
Nature of Suit: Patent
Technology: Real estate valuation
- **CoreLogic Solutions LLC v. Redfin Corporation** | Mar 2013–May 2013
Jurisdiction: U.S. District Court for the Eastern District of Texas
Case Number: 2:12-cv-00305
Counsel: Orrick, Herrington & Sutcliffe LLP
Nature of Suit: Patent
Technology: Real estate valuation
- **CoreLogic Solutions LLC v. Collateral Analytics LLC** | Mar 2013–May 2013
Jurisdiction: U.S. District Court for the Eastern District Texas
Case Number: 2:12-cv-00306
Counsel: Orrick, Herrington & Sutcliffe LLP
Nature of Suit: Patent
Technology: Real estate valuation
- **Network Protection Sciences, LLC v. Juniper Networks, et al.** | Mar 2013–Nov 2013
Jurisdiction: U.S. District Court for the Northern District of California
Case Number: 3:12-cv-01106
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Suit: Patent
Technology: Networking

- **Oracle America, Inc. v. Service Key, LLC, et al.** | Dec 2012–May 2013
Jurisdiction: U.S. District Court for the Northern District of California
Case Number: 4:12-cv-00790
Counsel: Bingham McCutchen
Nature of Suit: Copyright
Technology: Computer hardware and firmware
- **Oracle America, Inc., et al. v. CedarCrestone, Inc.** | Sept 2012–Apr 2013
Jurisdiction: U.S. District Court for the Northern District of California
Case Number: 3:12-cv-04626
Counsel: Bingham McCutchen
Nature of Suit: Copyright
Technology: Computer hardware and firmware
- **Flatworld Interactives LLC v. Apple Inc.** | Aug 2012
Jurisdiction: U.S. District Court for the Northern District of California
Case Number: 3:12-cv-01956
Counsel: Hagens Berman
Nature of Suit: Patent
Technology: Touchscreens and gesture detection
- **In the Matter of Certain Personal Data and Mobile Communications Devices and Related Software (Apple, et al. v. HTC, et al.)** | June 2012–Nov 2012
Jurisdiction: U.S. International Trade Commission
Investigation Number: 337-TA-710
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Matter: Patent
Technology: Smartphones
- **Realtime Data, LLC v. Morgan Stanley, et al.** | June 2012
Jurisdiction: U.S. District Court for the Southern District of New York
Case Number: 1:11-cv-06696
Counsel: Wilmer Cutler Pickering Hale and Dorr LLP
Nature of Suit: Patent
Technology: Compression of financial information for transmission
- **Realtime Data, LLC v. Morgan Stanley, et al.** | June 2012
Jurisdiction: U.S. District Court for the Southern District of New York
Case Number: 1:11-cv-06701
Counsel: Wilmer Cutler Pickering Hale and Dorr LLP
Nature of Suit: Patent
Technology: Compression of financial information for transmission
- **Realtime Data, LLC v. Morgan Stanley, et al.** | June 2012
Jurisdiction: U.S. District Court for the Southern District of New York
Case Number: 1:11-cv-06704
Counsel: Wilmer Cutler Pickering Hale and Dorr LLP
Nature of Suit: Patent
Technology: Compression of financial information for transmission

- **Apple Inc. v. High Tech Computer Corp., et al.** | Dec 2011
 Jurisdiction: U.S. District Court for the District of Delaware
 Case Number: 1:10-cv-00167
 Counsel: Kecker, Van Ellis & Peters LLP
 Nature of Suit: Patent
 Technology: Smartphones
- **In the Matter of Certain Portable Electronic Devices and Related Software (Apple, et al. v. HTC, et al.)** | Sept 2011–May 2012
 Jurisdiction: U.S. International Trade Commission
 Investigation Number: 337-TA-797
 Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
 Nature of Matter: Patent
 Technology: Smartphones
- **In the Matter of Certain Personal Data and Mobile Communications Devices and Related Software (Apple, et al. v. HTC, et al.)** | Mar 2011–May 2012
 Jurisdiction: U.S. International Trade Commission
 Investigation Number: 337-TA-710S
 Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
 Nature of Matter: Patent
 Technology: Smartphones
- **Edge Capture LLC v. Barclays Bank PLC, et al.** | Mar 2011–July 2011
 Jurisdiction: U.S. District Court for the District of Northern Illinois
 Case Number: 1:09-cv-01521
 Counsel: Robins, Kaplan, Miller & Ciresi LLP
 Nature of Suit: Patent
 Technology: Financial software
- **Apple, Inc. v. Motorola, Inc., et al.** | Feb 2011–June 2012
 Jurisdiction: U.S. District Court for the Northern District of Illinois
 Case Number: 1:11-cv-08540
 Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
 Nature of Matter: Patent
 Technology: Smartphones
- **Motorola Mobility, Inc. v. Apple, Inc.** | Feb 2011–June 2012
 Jurisdiction: United States District Court, Southern District of Florida
 Case Number: 1:10-cv-23580
 Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
 Nature of Matter: Patent
 Technology: Smartphones
- **In the Matter of Certain Mobile Devices and Related Software (Apple Inc. v. Motorola, Inc., et al.)** | Feb 2011–June 2012
 Jurisdiction: U.S. International Trade Commission
 Investigation Number: 337-TA-750
 Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
 Nature of Matter: Patent
 Technology: Smartphones

- **In the Matter of Certain Wireless Communication Devices, Portable Music and Data Processing Devices, Computers and Components Thereof (Motorola Mobility, Inc. v. Apple Inc.)** | Feb 2011–June 2012
Jurisdiction: U.S. International Trade Commission
Investigation Number: 337-TA-745
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Matter: Patent
Technology: Smartphones
- **In the Matter of Certain Mobile Devices, Associated Software, and Components Thereof (Microsoft Corporation v. Motorola Mobility, Inc., et al.)** | Feb 2011–June 2011
Jurisdiction: U.S. International Trade Commission
Investigation Number: 337-TA-744
Counsel: Quinn Emanuel Urquhart & Sullivan, LLP
Nature of Matter: Patent
Technology: Smartphones
- **Oracle USA, Inc. et al. v. Rimini Street, Inc., et al.** | Feb 2011–Nov 2023
Jurisdiction: U.S. District Court for the District of Nevada
Case Number: 2:10-cv-00106
Counsel: Boies, Schiller, and Flexnor; Bingham McChutchen; Morgan Lewis
Nature of Suit: Copyright
Technology: Enterprise software support services and practices

Intellectual Property Consulting

- **Gluware, Inc.** | Dec 2022–Feb 2023
Nature of matter: Potential refinance of collateralized loan
Technology: Computer network automation.
- **Anonos, Inc.; Ghost Tree Partners; GT Investment Partners, LP; GT Partners Private Credit Finance, LLC; GT Partners SPV I, LLC** | July 2022
Nature of Matter: Potential collateralized loan
Technology: Data encryption solutions.
- **Aon IP Advantage Fund, LP and Automata Transactions, LLC d/b/a GRUBBRR** | Jan 2022–Mar 2022
Nature of Matter: Potential collateralized loan
Technology: Food service ordering systems and infrastructure.
- **Bain Capital Credit, LP and Gluware, Inc.** | May 2021
Nature of Matter: Potential collateralized loan
Technology: Computer network automation.
- **ExamSoft, Inc.** | Sept 2020
Nature of Matter: Internal investigation
Technology: Online test proctoring